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| APPLICATION NO.                          | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/605,237                               | 09/17/2003  | Yu-Chuan Lin         | 9758-US-PA          | 3283             |
| 31561                                    | 7590        | 05/17/2005           | EXAMINER            |                  |
| JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE |             |                      | DUVERNE, JEAN F     |                  |
| 7 FLOOR-1, NO. 100                       |             |                      |                     |                  |
| ROOSEVELT ROAD, SECTION 2                |             |                      |                     |                  |
| TAIPEI, 100                              |             |                      | ART UNIT            | PAPER NUMBER     |
| TAIWAN                                   |             |                      | 2839                |                  |

DATE MAILED: 05/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                             |                  |
|------------------------------|-----------------------------|------------------|
| <b>Office Action Summary</b> | Application No.             | Applicant(s)     |
|                              | 10/605,237                  | LIN ET AL.       |
|                              | Examiner<br>Jean F. Duverne | Art Unit<br>2839 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 01 April 2005.
- 2a) This action is FINAL.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-6,8 and 10-13 is/are rejected.
- 7) Claim(s) 7,9 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

|  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1)<input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2)<input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3)<input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br/>Paper No(s)/Mail Date _____.</li> </ol> | <ol style="list-style-type: none"> <li>4)<input type="checkbox"/> Interview Summary (PTO-413)<br/>Paper No(s)/Mail Date. _____.</li> <li>5)<input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6)<input type="checkbox"/> Other: _____.</li> </ol> |
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## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Reynolds (US 20020104246A1).

Reynolds' device discloses an interface apparatus with a rotational mechanism at 226 or see claim 26 for connecting with an interface port at 59, 60 in an electronic product, the interface apparatus comprising; a body at 64 comprising a memory module (69); a connector at 12 for connecting an interface port; and a rotational mechanism at for linking the body and the connector.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2-6, 8, 10-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Reynolds (US 20020104246A1) in view of Stout et al (US006612874B1).

In regard to claim 2-3, Reynolds' device discloses the aforementioned limitations, but fails to explicitly disclose the memory module being volatile or the use of the USB interface. Stout's device discloses the use of volatile memory or the use of the USB interface. It would have been obvious to one having ordinary skill in the art at the time the invention was made to use the non-volatile memory module or the USB interface in order not to save the information when the power is turned off or to allow connection of different peripherals to the memory device using hubs in Reynolds' device.

In regard to claim 4, Reynolds' and Stout's devices disclose the aforementioned limitations, but fails to disclose the connector having IEEE 1934. It would have been obvious to one having ordinary skill at the time the invention was made to have connector design in accordance to IEEE 1934, since it has been held to be within the general skill of worker in the art to select known material on the basis of its suitability for the intended use as matter of obvious design choice. *In re Leshin*, 125 USPQ 416. It would have been obvious to one having ordinary skill at the time the invention was made to have connector design in accordance to IEEE 1934 in order to meet the system specification and design in Reynolds' device.

In regard to claims 5-6, 8, 10-13, Reynolds' and Stout's devices disclose the aforementioned limitations, but fails to explicitly disclose the exact number of degrees of freedom of movement in the rotation which is an inherent feature. It would have been

Art Unit: 2839

obvious to one having ordinary skill in the art at the time the invention was made to have a number of degrees of freedom of movement in the rotation, since it has been held that discovering an optimum value of result effective variable involves only routine skill in the art. *IN re Boesch*, 617 F2d 272, 205 USPQ 215 (CCPA 1980). It would have been obvious to one having ordinary skill in the art at the time the invention was made to have a specific number of degrees of freedom of movement in the rotation in order to meet the system design and requirement.

### ***Conclusion***

3. Claims 7 and 9 are objected to as being dependent upon a rejected base claims, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Prior art fails to disclose the rotation mechanism is selected from a group consist of rotational, sliding, rolling cam-wheel, gear wheel, spiral, cylindrical and the plane sliding joints with the rest of the claims limitations

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean F. Duverne whose telephone number is (571) 272-2091. The examiner can normally be reached on 9:00-7:30, Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on (571) 272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2839

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JFD

05/09/2005

  
Jean-François Duverne  
Primary Examiner  
Art Unit 2839